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|--|-----------------|-------------------|--|
| Issue Classification  | Application No. | Applicant(s) | |
| | 09/987,987 | HAMALAINEN ET AL. | |
| | Examiner | Art Unit | |
| | Kevin Pyo | 2878 | |

| ISSUE CLASSIFICATION | | | | | | | | | |
|-------------------------------------|---------|----------|---|---|-----------------------------------|-----|-----------------------------|-------------------------|--|
| ORIGINAL | | | | CROSS REFERENCE(S) | | | | | |
| CLASS | | SUBCLASS | | CLASS | SUBCLASS (ONE SUBCLASS PER BLOCK) | | | | |
| 250 | | 227.11 | | 250 | 227.24 | 221 | | | |
| INTERNATIONAL CLASSIFICATION | | | | 356 | 73.1 | | | | |
| G 0 1 J | 1 1 0 4 | | | 385 | 31 | | | | |
| G 0 2 B | 6 1 2 6 | | | | | | | | |
| | | | / | | | | | | |
| | | | / | | | | | | |
| | | | / | | | | | | |
| | | | | Total Claims Allowed: 13 | | | | | |
| (Assistant Examiner) (Date) | | | | KEVIN PYO PRIMARY EXAMINER (Primary Examiner) | | | O.G. Print Claim(s) 4 | O.G. Print Fig. 4 | |
| 9/23/04 | | | | 9/17/04 | | | | | |
| (Legal Instruments Examiner) (Date) | | | | | | | | | |

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|--|----------|--|-------|----------|--|-------|----------|--|-------|------------------------------|--|-------|----------|--|-------|----------|--|-------|----------|-------------------------------|-------|----------|--|-------|----------|--|-------|----------|--|---------------------------------|--|--|--|--|--|--|--|--|--|
| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant | | | | | | | | | | <input type="checkbox"/> CPA | | | | | | | | | | <input type="checkbox"/> T.D. | | | | | | | | | | <input type="checkbox"/> R.1.47 | | | | | | | | | |
| Final | Original | | Final | Original | | Final | Original | | Final | Original | | Final | Original | | Final | Original | | Final | Original | | Final | Original | | Final | Original | | Final | Original | | | | | | | | | | | |
| | | | | 31 | | | 61 | | | 91 | | | 121 | | | 151 | | | 181 | | | | | | | | 181 | | | | | | | | | | | | |
| | | | | 32 | | | 62 | | | 92 | | | 122 | | | 152 | | | 182 | | | | | | | | 182 | | | | | | | | | | | | |
| | | | | 33 | | | 63 | | | 93 | | | 123 | | | 153 | | | 183 | | | | | | | | 183 | | | | | | | | | | | | |
| | | | | 34 | | | 64 | | | 94 | | | 124 | | | 154 | | | 184 | | | | | | | | 184 | | | | | | | | | | | | |
| | | | | 35 | | | 65 | | | 95 | | | 125 | | | 155 | | | 185 | | | | | | | | 185 | | | | | | | | | | | | |
| | | | | 36 | | | 66 | | | 96 | | | 126 | | | 156 | | | 186 | | | | | | | | 186 | | | | | | | | | | | | |
| | | | | 37 | | | 67 | | | 97 | | | 127 | | | 157 | | | 187 | | | | | | | | 187 | | | | | | | | | | | | |
| | | | | 38 | | | 68 | | | 98 | | | 128 | | | 158 | | | 188 | | | | | | | | 188 | | | | | | | | | | | | |
| | | | | 39 | | | 69 | | | 99 | | | 129 | | | 159 | | | 189 | | | | | | | | 189 | | | | | | | | | | | | |
| | | | | 40 | | | 70 | | | 100 | | | 130 | | | 160 | | | 190 | | | | | | | | 190 | | | | | | | | | | | | |
| | | | | 41 | | | 71 | | | 101 | | | 131 | | | 161 | | | 191 | | | | | | | | 191 | | | | | | | | | | | | |
| | | | | 42 | | | 72 | | | 102 | | | 132 | | | 162 | | | 192 | | | | | | | | 192 | | | | | | | | | | | | |
| | | | | 43 | | | 73 | | | 103 | | | 133 | | | 163 | | | 193 | | | | | | | | 193 | | | | | | | | | | | | |
| | | | | 44 | | | 74 | | | 104 | | | 134 | | | 164 | | | 194 | | | | | | | | 194 | | | | | | | | | | | | |
| | | | | 45 | | | 75 | | | 105 | | | 135 | | | 165 | | | 195 | | | | | | | | 195 | | | | | | | | | | | | |
| 1 | 16 | | | 46 | | | 76 | | | 106 | | | 136 | | | 166 | | | 196 | | | | | | | | 196 | | | | | | | | | | | | |
| 2 | 17 | | | 47 | | | 77 | | | 107 | | | 137 | | | 167 | | | 197 | | | | | | | | 197 | | | | | | | | | | | | |
| 3 | 18 | | | 48 | | | 78 | | | 108 | | | 138 | | | 168 | | | 198 | | | | | | | | 198 | | | | | | | | | | | | |
| 4 | 19 | | | 49 | | | 79 | | | 109 | | | 139 | | | 169 | | | 199 | | | | | | | | 199 | | | | | | | | | | | | |
| 5 | 20 | | | 50 | | | 80 | | | 110 | | | 140 | | | 170 | | | 200 | | | | | | | | 200 | | | | | | | | | | | | |
| 6 | 21 | | | 51 | | | 81 | | | 111 | | | 141 | | | 171 | | | 201 | | | | | | | | 201 | | | | | | | | | | | | |
| 7 | 22 | | | 52 | | | 82 | | | 112 | | | 142 | | | 172 | | | 202 | | | | | | | | 202 | | | | | | | | | | | | |
| 8 | 23 | | | 53 | | | 83 | | | 113 | | | 143 | | | 173 | | | 203 | | | | | | | | 203 | | | | | | | | | | | | |
| 9 | 24 | | | 54 | | | 84 | | | 114 | | | 144 | | | 174 | | | 204 | | | | | | | | 204 | | | | | | | | | | | | |
| 10 | 25 | | | 55 | | | 85 | | | 115 | | | 145 | | | 175 | | | 205 | | | | | | | | 205 | | | | | | | | | | | | |
| 11 | 26 | | | 56 | | | 86 | | | 116 | | | 146 | | | 176 | | | 206 | | | | | | | | 206 | | | | | | | | | | | | |
| 12 | 27 | | | 57 | | | 87 | | | 117 | | | 147 | | | 177 | | | 207 | | | | | | | | 207 | | | | | | | | | | | | |
| 13 | 28 | | | 58 | | | 88 | | | 118 | | | 148 | | | 178 | | | 208 | | | | | | | | 208 | | | | | | | | | | | | |
| | 29 | | | 59 | | | 89 | | | 119 | | | 149 | | | 179 | | | 209 | | | | | | | | 209 | | | | | | | | | | | | |
| | 30 | | | 60 | | | 90 | | | 120 | | | 150 | | | 180 | | | 210 | | | | | | | | 210 | | | | | | | | | | | | |